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Listing and Amendments to the Claims

This listing of claims will replace the claims that were published in the PCT Application and the claims submitted in response to the Written Opinion:

1. (currently amended) Method of processing digital data descriptors associated with a data stream, said descriptors containing structure information related to said stream and intended to be stored in the form of description units ~~(25, 35)~~ on a recording medium with said data stream, in which

- description units ~~(25, 35)~~ are constructed and stored in memory buffers ~~(20, 30, 300a, 300b, 300c, 300d)~~ prior to their recording on a recording medium ~~(11, 108)~~,
- description units ~~(25, 35)~~ are utilized simultaneously with the construction and with the recording of description units in memory buffers ~~(25, 35)~~ of the same stream,
- one and the same memory buffer ~~(20, 30, 300a, 300b, 300c, 300d)~~ is used for the construction and the utilization of the description units ~~(25, 35).~~

~~characterized in that~~ wherein:

- when said data stream is read from the recording medium and said associated description units are not yet available in the recording medium, said associated description units are read directly in the description units of the buffer memory before their transfer on the recording medium.

2. (currently amended) Method according to Claim 1 ~~characterized in that~~ wherein the data being grouped in sequence, the descriptors associated with these data also being grouped in sequence ~~(21, 22, 23, 31, 32, 33)~~,

- a description unit ~~(25, 35)~~ is constructed from at least one sequence ~~(21, 22, 23, 31, 32, 33)~~ containing at least one descriptor, each description unit ~~(25, 35)~~ being of fixed size and containing only complete sequences ~~(21, 22, 23, 31, 32, 33)~~ of descriptors.

3. (currently amended) Method according to Claim 2 ~~characterized in that~~ wherein a complete description unit ~~(25, 35)~~ is transferred from a memory buffer ~~(20, 30, 300a, 300b, 300c, 300d)~~ onto the recording medium ~~(11, 108)~~ when the room available in the memory buffer ~~(20, 30, 300a, 300b, 300c, 300d)~~ is less than the memory room required to record therein a complete descriptor sequence ~~(21, 22, 23, 31, 32)~~.

4. (currently amended) Method according to Claim 2 ~~characterized in that~~ wherein in that when the sequences ~~(21, 22, 23, 31, 32, 33)~~ of descriptors are of variable size, a description unit ~~(25, 35)~~ is transferred from the memory buffer onto the recording medium ~~(11, 108)~~ when on concluding the addition of a descriptor into the memory buffer ~~(20, 30, 300a, 300b, 300c, 300d)~~, the memory buffer ~~(20, 30, 300a, 300b, 300c, 300d)~~ is full.

5. (currently amended) Method according to Claim 3 ~~characterized in that~~ wherein, following the recording of complete sequences ~~(21, 22, 23, 31, 32)~~ of descriptors of a memory buffer ~~(20, 30, 300a, 300b, 300c, 300d)~~ to the recording medium ~~(11, 108)~~, the descriptors contained at the end of the memory buffer ~~(20, 30, 300a, 300b, 300c, 300d)~~ and belonging to an incomplete sequence ~~(33)~~ of descriptors are transferred to the start of the memory buffer ~~(20, 30, 300a, 300b, 300c, 300d)~~.

6. (currently amended) Method according to ~~one of Claims 3 to 5 characterized in that~~ Claim 3, wherein, on concluding the storage of a description unit ~~(25, 35)~~ in the recording medium ~~(11, 108)~~, a new description unit ~~(25, 35)~~ is constructed in the memory buffer ~~(20, 30, 300a, 300b, 300c, 300d)~~ associated with the said description unit ~~(25, 35)~~ if the description units ~~(25, 35)~~ contained in this memory buffer ~~(20, 30, 300a, 300b, 300c, 300d)~~ are not currently being utilized and in another memory buffer ~~(20, 30, 300a, 300b, 300c, 300d)~~ if these description units ~~(25, 35)~~ are currently being utilized.

Claims 7-9 are cancelled.

10. (new) Method according to claim 4 wherein, on concluding the storage of a description unit in the recording medium, a new description unit is constructed in the memory buffer associated with the said description unit if the description units contained in this memory buffer are not currently being utilized and in another memory buffer if these description units are currently being utilized.

11. (new) Method according to claim 5 wherein, on concluding the storage of a description unit in the recording medium, a new description unit is constructed in the memory buffer associated with the said description unit if the description units contained in this memory buffer are not currently being utilized and in another memory buffer if these description units are currently being utilized.

12. (new) Method according to Claim 1 wherein, on concluding the utilization of a description unit, if the next description unit is not yet accessible on the recording medium, then the complete sequences of the descriptors of the description unit currently being constructed is utilized before its transfer on the recording medium.

13. (new) Method according to Claim 2 wherein, on concluding the utilization of a description unit, if the next description unit is not yet accessible on the recording medium, then the complete sequences of the descriptors of the description unit currently being constructed is utilized before its transfer on the recording medium.

14. (new) Method according to Claim 3 wherein, on concluding the utilization of a description unit, if the next description unit is not yet accessible on the recording medium, then the complete sequences of the descriptors of the description unit currently being constructed is utilized before its transfer on the recording medium.

15. (new) Method according to Claim 4 wherein, on concluding the utilization of a description unit, if the next description unit is not yet accessible on the recording medium, then the complete sequences of the descriptors of the description unit currently being constructed is utilized before its transfer on the recording medium.

16. (new) Method according to Claim 5 wherein, on concluding the utilization of a description unit, if the next description unit is not yet accessible on the recording medium, then the complete sequences of the descriptors of the description unit currently being constructed is utilized before its transfer on the recording medium.

17. (new) Computer program product comprising program code instructions for the execution of the steps of the method of processing digital data descriptors according to claim 1, when the said program is executed on a computer.

18. (new) Device for processing digital data descriptors associated with a data stream, said descriptors containing structure information related to said stream and intended to be stored in the form of description units on a recording medium with said data stream, comprising

- means for constructing and for storing in memory buffers description units prior to their recording on a recording medium,
- means for utilizing the description units simultaneously with the construction and with the recording of description units in memory buffers of the same stream,
- the means of construction and of utilization are designed to use one and the same memory buffer for the construction and the utilization of the description units.

wherein it comprises means to read said data stream from the recording medium and said associated description units and when said associated description units are not yet available in the recording medium, said means read directly said associated description units in the buffer memory before their transfer on the recording medium.